

## SEVERE LOCAL STORMS FOR JUNE 1948

The table hereunder contains such data as have been received concerning severe local storms that occurred during the month. A revised list will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Torrance County, N. Mex.	June 1	2-3 p. m.			\$5,000	Hail	Storm northwest of McIntosh, with stones up to size of golf balls. Livestock injured and roofs damaged in addition to crop damage.
Moccasin, Mont., near	1	7-7:30 p. m.	120		15,000	do	Path 30 miles long. Hail light in large area. Alfalfa and garden crops damaged; windows broken and shingles loosened.
Hot Springs, N. Mex.	2	3-4 p. m.			260,000	Hail, rain, and wind	Damage to buildings from hail, wind, and flooding; also hail damage to local fruit and gardens.
Lancaster, S. C.	2	Afternoon		1		Electrical	1 person killed by lightning.
Woodruff, S. C.	2	do			6,000	do	16 cattle killed by lightning.
Red Lodge, Mont., near	3	2 p. m.				Hail	Hail size of golf balls and about 12-inch depth of stones said to have fallen. Accompanying heavy rains caused overflowing of small creeks and loss of 8 head of hogs at Luther.
Southern Garden County, Nebr.	3	2:30 p. m.	12		50,000	do	
Columbus, Mont., near	3	4-4:30 p. m.	880		5,000	do	Path 20 miles long. Heavy hail damaged small grains and window-panes.
Irmo, S. C.	3	Afternoon		1		Electrical	1 person killed by lightning.
Merino, Colo.	4	p. m.		2		do	2 boys killed by lightning beneath tree.
St. Louis City and St. Louis County, Mo.	5	6:40 p. m.				Wind	A few plate glass windows shattered; some trees and utility wires blown down. 3 slight injuries.
Lido Beach, Fla., near Sarasota.	5		35	0	150	Waterspout and tornado.	Waterspout moved inland from Gulf of Mexico and broke some windows and trees. Path on land a few hundred yards long.
Florence County, S. C.	6	3 p. m.	134		25,000	Thunderstorm	Winds of near tornadoic intensity and accompanying hail caused severe damage to crops and property in Vausentown Community.
Hampton, S. C.	6	4 p. m.			2,000	do	High winds with hail caused damage, mostly to crops.
Glenwood, Pike County, Ark.	6	Afternoon			33,000	Electrical and hail	Hail up to ¾ inch diameter caused \$25,000 damage to crops in Glenwood area over several square miles. Lightning set fire to residence and store, resulting in \$8,000 loss.
El Dorado, Ark.	6	do			10,000	Electrical	Lightning set fire to some storage facilities of oil refinery.
Sabine Parish, La.	6	6 p. m.			8,000	Wind	High wind in Zwolle and Dixie Communities unroofed baseball stadium, hurling pieces of lumber into chartered bus—injured 4 persons. Telephone and electric services disrupted in Dixie Community.
Dickinson County, Kans.	6	9:30 p. m.	13		125,000	Hail	In southern part of county, west of Herington. Growing crops in path almost totally destroyed.
Blenville Parish, La.	6					Wind and hail	Damage in Danville mostly to crops; as much as 10 to 25 percent of crops destroyed.
Butte, Mont.	6				10,000	Thunderstorm	Lightning struck Butte, Anaconda, and Pacific R. R. depot, which burned to ground.
Golden, Colo.	7	Midnight to 1 a. m.	850		162,000	Flood	A cloudburst in mountains northwest of Golden caused 25-foot wall of water to flood lower portion of Golden; bridges and highways washed out; homes and buildings flooded or demolished.
Southern Dodge, Washington and extreme northern Milwaukee Counties, Wis.	7	12 noon-4:30 p. m.	1-15		100,000	Thunderstorms and hail	Storm moved eastward in path 60 miles long. Damaged canning peas, tomatoes, other garden crops, and fruit on trees. Total loss of peas in some areas. Hailstones averaged ½ inch in diameter, largest 1 inch or more.
Milwaukee, Wis.	7	12:22-12:27 p. m.			1,200	Wind	Utility lines downed in several places by falling trees; 4 plate glass windows broken; 3 persons injured.
Shiprock, N. Mex.	7	1-2 p. m.			2,500	Hail	Damage to fruit and truck gardens.
Kokomo and northwestern Howard County, Ind.	7	3 p. m.	134		75,000	Hail and wind	Hail up to 2 inches in diameter. ¾ of total damage was crop loss.
Middlesex County, Va.	7	3:30 p. m.	400	0	12,000	Tornadoic wind	In Syringa area. Shed demolished; garage moved, twisted, and roof blown off; trees uprooted.
Onton, Wis.	7	3:50 p. m.		1	500	Wind	Several trees blown down. Falling limb crushed truck cab, killing driver.
Anderson, Ind.	7	4:30 p. m.	15		100,000	Wind and hail	Hail up to 1½ inches in diameter. One of worst storms on record. 1 injury.
Knox County, Ind.	7	5 p. m.	18		11,000	Hail and wind	Hail up to 1 inch in diameter. Damage includes \$1,000 loss to crops.
Clark County, Ind.	7	6 p. m.	100	1	100,000	Tornado	Moved southeastward through Henryville. 20 injuries.
Hawley, Pa.	7				10,000	Electrical	Lightning destroyed a home and contents.
Baker County, Oreg.	7-8	Afternoons and evenings.	Several			Thunderstorms, winds, cloudbursts, waterspouts, and hail.	Occurred over long stretch of Burnt River Valley and extended into part of Snake Valley. In Baker, trees blown over and limbs and other debris scattered over town; a large number of power interruptions occurred. At Hereford, ranch home set on fire by lightning burned to ground. At Mt. Carmel, large barn struck by lightning; burned, destroying 15 tons of baled hay and other items. Gardens riddled by hail. Swollen streams washed considerable land. At point in Snake Valley waterspouts dumped sufficient mud and other debris on highway to close it for several days; 2,500 yards of dirt moved before road was reopened.
Meade County, Kans.	8	12:30 p. m.	12			Wind and hail	In an east-west path in northern part of county. Some wheat damaged.
Copperhill, Tenn.	8	Early afternoon.				Wind and rain	High winds damaged roofs, uprooted small trees, and caused minor damage to power and telephone lines.
Ellis, Harper, Woodward, and Dewey Counties, Okla.	8	2:30-4:30 p. m.	15		475,000	Hail and wind	Point between Fargo and Laverne to between Mutual and Selling, about 50-mile long path from northwest to southeast; 80 percent of damage by hail and 20 percent by wind. Crop damage \$360,000, included in total.
Bozeman, Mont., near	8	4-5 p. m.	880		20,000	Hail	Path about 4 miles long. Moderate hail caused considerable damage to spring wheat and peas.
Bridgeport, Wise County, Tex.	8	4:30 p. m.	12		3,000	Wind and hail	Hail damage to crops, \$1,000; wind damage to buildings, \$2,000.
Solgochachie, Conway County, Ark.	8	5:30 p. m.		1		Electrical	1 death by lightning.
Darlington, S. C., near	8	Late afternoon			10,000	Thunderstorm	High winds, with evidence of tornadoic action, accompanied by hail, caused damage mostly to crops.
Caddo County, Okla.	8	6-6:45 p. m.	1-2		100,000	Hail and wind	From Eakly to southeast of Anadarko about 40 miles. 90 percent of damage by hail, 10 percent by wind. Principal damage to wheat nearly ready for harvest. Several buildings damaged by wind at Oney.
Felt, Cimarron County, Okla., near	8	P. m.	12		31,000	Hail	Damage mostly to growing wheat in area 40 sq. mi. \$1,000 damage to roofs and windows.
Kreybill, Colo.	8	P. m.	14½		110,000	do	Hail caused heavy damage to wheat, hay, onions, and beets.
Texas Parish, La.	9	12:50 p. m.			5,000	Wind and hail	One barn in St. Joseph destroyed, killing a mule. Early corn damaged by hail.
Cimarron County, Okla.	9	P. m.	12		20,000	Hail	Damage mostly to growing wheat in area about 20 sq. mi., near Wheelless.
Ness County, Kans.	9	6:30 p. m.	16		300,000	do	Extended from Arnold to Ransom. Damage mostly to wheat.
Comanche County, Kans.	9	9:30 p. m.	12		20,000	do	From Protection to Coldwater. Path mostly over pasture land. Some wheat damaged.
Butte, Mont.	9				12,150	Hail, wind, and rain	Local storm damaged gardens and flooded basements.
Wheeler and Gilliam Counties, Ore.	9-11	Late afternoons and evenings.	Several	2	500,000	Thunderstorms, rain, and hail.	Torrential rains and heavy hail. 20 bridges of Kinzua Railroad washed out. 2 persons killed when home washed away in flash flood. Roads destroyed at many points. Heavy rain and hail destroyed large acreage of wheat. Gardens and truck crops badly damaged.

See footnote at end of table.

## SEVERE LOCAL STORMS FOR JUNE 1948—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Miles City, Mont., near Douglas County, Wash.	June 10	Early morning	1 2	1	\$2,000 2,000,000	Hail Rain and hail	Storm, light; length of path, about 15 miles. Torrential rains over much of county, with major destruction in south portion. Flood waters concentrated in Pine Canyon, where for 14 miles, highways and railroad beds were demolished. 22 highway and 27 railroad bridges washed out. Damage to railroads approximately one-half total; remainder of loss about equally divided between county roads and farm crops, mostly wheat. At Simms Corners, in center of storm, hail as large as walnuts did extensive damage to wheat in a belt 2 miles wide.
Ramsey, Mont.	11				20,500	Hail, wind, and rain	Most damage to roofs and windows from hail.
Madison and Delaware Counties, Ind.	12	2:30 p. m.			50,000	Wind	Much damage in Frankton.
Fort Wayne, Ind.	12	P. m.			10,000	Hail and wind	Severe wind gusts. Half of damage was crop loss.
Stark County, Ohio	12	4:30 p. m.		0		Tornado	Funnel-shaped cloud seen. Many trees uprooted; garage and barn demolished in Canton area.
Baltimore, Md.	12	4:31 p. m.		1		Thunderstorm and wind	Winds exceeding 60 m. p. h. uprooted trees, which in turn damaged buildings, automobiles, and telephone and electric wires. Building damaged considerably by lightning. High winds caused a light plane to crash; pilot killed. A Boeing C-14 flying boat, tied to a cradle, carried several feet off ground to distance of about 40 feet, crashing and damaging considerably. 4 light planes at Baltimore Municipal Airport overturned and slightly damaged. A barn near Randalls-town lifted off ground and collapsed.
Elko, Nev., vicinity of	12	5-5:30 p. m.	Several		15,000	Thunderstorm	A squall line of thunderstorms moved across northern Nevada with winds of hurricane force. Most activity along valley of Humboldt River. Intensity increased in Elko area due to funneling effect of ranges of mountains. At 5:02 p. m. absolute zero conditions existed at Elko: air filled with dust, dirt, and flying debris and wind 80 m. p. h. from southwest and strong gusts to 100 m. p. h. 1 house demolished, trees uprooted, and a number of roofs damaged.
Bicknell, Ind.	12	Evening			10,000	Wind and hail	Light hail.
Pueblo, Colo.	12	7:25-9:57 p. m.	1 5	3	210,000	Hail and flood	Hail 1 1/4 inches in diameter caused considerable crop loss. Flood loss principally in downtown Pueblo. 3 drowned in flash flood in Boggs Flat area west of Pueblo.
Bloersville, Pa.	12					Hail	Hail, up to 2 inches in diameter, broke many windows and caused considerable crop damage.
Harrisburg, Pa., vicinity	12	7:30 p. m.			4,000	Thunderstorm	Many trees blown down; some sections without electricity. Roofs blown off and a few small buildings toppled. Lightning destroyed chicken house and chickens. Extensive damage to truck gardens by hail the size of hickory nuts and wind.
Box Butte County, Nebr.	13	3 p. m.	1 6-12	0	180,000	Hail, wind, and small tornado	Tobacco damaged.
Ringgold, Va.	13	Late afternoon			10,000	Hail	Path about 3 miles long. Severe damage to winter wheat.
Columbus, Mont., near	13	6-6:10 p. m.	880		10,000	do.	Hail damage to crops severe.
Belfry, Mont., near	13	6:30-7 p. m.	1 2 1/4			do.	This storm and one on 14th, and one on 15th and 16th covered most of Cheyenne County, northern Sherman County, and parts of Rawlins County. Hailstones up to size of billiard ball. Large areas of wheat totally destroyed and buildings damaged. Losses of the 3 storms, estimated by counties: Cheyenne, \$4,000,000; Sherman, \$250,000; Thomas, \$150,000; and Rawlins, \$50,000. Storm of 14th most extensive and severe of the three.
Cheyenne County, Kans.	13	9-10 p. m.			4,450,000 (for three storms)	Hail and wind	Considerable damage to beets, which are expected to recover.
Ballantine-Huntley area, Mont.	14	12:15 a. m.	1 2-2 1/4			Hail, wind, and rain	At Hannibal and vicinity many trees blown over, and fabric automobile tops and building roofs damaged. Gardens damaged by hail.
Marion County, Mo.	14	1 p. m.	1 2			Wind and hail	Crops almost completely destroyed over a 16-mile path from Meredosia to near Winchester by hailstones 1 inch and larger in diameter. Hail covered ground 4 inches deep on level after storm and in some places drifted by wind and rain into piles 3 to 4 feet high. 3 persons injured and a few hundred chickens and several pigs killed by hail. A large number of windows broken; several cars damaged; much other minor property damage.
Morgan and Scott Counties, Ill.	14	2 p. m.	1 1 1/2		1,076,500	Hail	From Bogard through Standish to east of Wakenda. Hay barn destroyed when struck by lightning. Some poultry killed by hail. Many windowpanes broken and some roofs damaged by hail. 1 person injured when struck by large hail up to the size of hen's egg. Much damage to standing crops.
Carroll County, Mo.	14	3-5 p. m.	1 1		30,000	Hail and electrical	In vicinity of Elsberry, roofs damaged, many windows broken, and some greenhouse sashes destroyed; gardens damaged.
Lincoln County, Mo.	14	4 p. m.	1 1			Hail	Considerable damage to wheat in area 1 mile square.
Denton, Mont., near	14	4-4:15 p. m.	440		1,500	do.	Heavy hail caused considerable damage to wheat and barley. Path about 2 1/2 miles long.
Box Elder, Mont.	14	4-4:05 p. m.	1 1		2,000	do.	In scattered parts of county, roofs damaged, many windowpanes destroyed, and standing crops, including gardens, damaged. Damage to crops estimated at about \$300,000; to livestock and poultry, \$1,000; and to buildings, automobiles, and other property, about \$20,000. Most damage in rural areas.
Coffee Creek, Mont.	14	4-4:15 p. m.	440		8,000	do.	Hail from 1/4 to 2 inches in diameter caused about 50 percent crop loss in some areas near Le Roy.
Saline County, Mo.	14	4:45 p. m.	1 1/2-2		321,000	Wind and hail	2-inch hailstones caused damage to automobiles and buildings.
Le Roy, Colo.	14	5-6 p. m.	1 1 1/4		20,000	Hail	At Pilot Grove and vicinity. Hardly a home escaped damage, especially roofs. 1 person slightly injured by hail. Some poultry killed and some crop damage. Damage mostly from hail.
Wray, Colo.	14	P. m.			5,000	do.	At Blackwater and vicinity. Wheat and oats flattened; corn stripped; some roofs damaged; many windows broken.
Cooper County, Mo.	14	5:45 p. m.	1 3		100,000	Wind and hail	Heavy hail damaged winter wheat considerably.
Cooper County, Mo.	14	5:50 p. m.	1 10		11,000	Hail	Moderate damage to beets and small grains.
Volborg, Mont.	14	6-6:30 p. m.	1 2		20,000	do.	Moderate hail caused considerable damage in small area to wheat.
Ballantine-Huntley area, Mont.	14	6:30 p. m.	1 2-2 1/4			do.	At Bunceton and vicinity. Wheat and oats flattened; some corn damaged. Many roofs damaged by hail. Many birds and some chickens killed. 1 barn blown down.
Stanford, Mont., near	14		880		10,000	do.	Hail up to 1/2-inch in diameter, but little damage. High winds at airport 2 miles east of Athens upturned aircraft, causing damages of about \$650.
Cooper County, Mo.	14	6:30 p. m.	1 8			Wind and hail	See remarks on storm of 13th in Kansas.
Athens, Ga.	14	8:20 p. m.			650	do.	Some hailstones 4 inches in diameter. Rain excessive. High wind.
Cheyenne, Rawlins, Sherman, and Thomas Counties, Kans.	14	8:30-9 p. m.				do.	Over practically same path as storm of 9th. Much wheat a total loss.
Haigler, Nebr., near	14	10 p. m.	1 12		1,800,000	Hail, rain, and wind	
Ness County, Kans.	14	11 p. m.	1 6		75,000	Hail	

See footnote at end of table.

## SEVERE LOCAL STORMS FOR JUNE 1948—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Russell County, Kans.	June 15	12:15-4 a. m.	-----	0	\$75,000	Wind, tornado, and hail.	Windstorm covered greater part of county. Hail in strip 3 miles wide and 10 miles long from Dorrance to beyond Wilson; damaged wheat 25 to 50 percent. Evidence that tornado passed over Russell south-eastward, ending near Bunker Hill. Most of wind damage in Russell. From near Beeler to south of Alexander. Chief damage by hail to wheat.
Ness and Rush Counties, Kans.	15	1-3 a. m.	1	-----	625,000	Hail and wind	Covered most of McPherson and Harvey Counties and extended into Marion County. Chief damage from wind blowing wheat down just before harvest. Many power and telephone lines down. Several large barns burned by lightning. Several barns and roofs damaged by wind. Hail damage estimated at \$25,000.
McPherson, Harvey, and Marion Counties, Kans.	15	1:30-3 a. m.	-----	-----	2,175,000	Electrical, wind, and hail.	Small buildings and trees damaged in Hutchinson and Nickerson.
Reno County, Kans.	15	Early morning.	-----	-----	-----	Wind	Hail considerably damaged crops in Coosa Community.
Rome, Ga., west of	15	Early a. m.	-----	-----	-----	Hail	In Middle River area. Barley, wheat, corn, and fruit damaged; trees defoliated.
Augusta County, Va.	15	3:30-5 p. m.	1,300	-----	25,000	Hail and wind	Trees uprooted; crops, mainly wheat, damaged; some damage to barn
Fork Union, Va.	15	4-5:30 p. m.	-----	-----	7,600	do.	Moderate hail damaged range grasslands in path about 18 miles long.
Miles City, Mont., near	15	4-4:15 p. m.	14	-----	1,000	Hail	Moderate hail considerably damaged small grains. Storm southwest to northeast; then reversed its direction over 2-mile path.
Bozeman, Mont., near	15	5-5:10 p. m.	880	-----	10,000	Hail	Estimated \$50,000 loss to wheat and \$25,000 damage to buildings.
Holyoke, Colo.	15	P. m.	-----	-----	75,000	do.	A 40 percent loss to wheat crop in path.
Wray, Colo.	15	P. m.	-----	-----	10,000	do.	Hail from 1/4 to 1 inch in diameter caused severe loss to crops in path
Petz, Colo.	15	5:50-6:30 p. m.	14 1/2	-----	75,000	do.	15 miles long; some damage to buildings.
Crook, Bluff, Proctor, and Sterling, Colo.	15	6-9 p. m.	10	-----	1,100,000	do.	Hail as large as 1 1/2 inches in diameter caused severe damage to buildings and crops in an area approximately 25 miles long. Damage includes \$1,000,000 crop loss.
Eastern Valley County, Nebr.	15	6:30 p. m.	11-2	-----	120,000	Hail and wind	Man killed by lightning at Lindsay.
Garvin County, Okla.	15	8 p. m.	11-1 1/2	1	1,500	Electrical	See remarks on storm of 13th in Kansas.
Denton, Mont.	15	11 p. m. until past mid-	-----	-----	-----	Hail	
Cheyenne County, Kans.	15-16	night.	-----	-----	-----	Hail and wind	
Pendleton, Ore., vicinity	15	Near mid-	1 Several	-----	20,200	Electrical and cloud-	Torrential rains eroded considerable soil on farm land surrounding
Logan and Scott Counties, Kans.	16	night.	10	-----	1,000,000	bursts.	Pendleton. Number of basements in city flooded. 1 home struck by lightning, completely destroyed.
Reno County, Kans.	16	2:15 a. m.	10	-----	90,000	Hail	Path from near Page City to Scott City, where hailstones still on ground at daybreak. Losses to crops, mostly wheat, ranged from 50 to 100 percent.
Harvey County, Kans.	16	3:41-8:28 a. m.	10	-----	10,000	Wind	Path extended through Hutchinson. \$40,000 damage to crops, principally wheat.
Millsboro, Del.	16	5 a. m.	-----	-----	-----	Wind and hail	Damage comparatively light. Some small buildings blown down.
Ennis, Mont., near	16	9-10 a. m.	-----	-----	-----	Wind	Strong winds blew in windowpanes, uprooted trees, and tore porches loose. Large plate glass windows of furniture company blown in and display of furniture and television sets ruined. Telephone and electric wires disrupted for several hours.
Little Rock, Ark.	16	1 p. m.	18	-----	20,000	Hail	Heavy hail considerably damaged gardens and small grains.
Mesa, Idaho	16	1:30 p. m.	-----	-----	-----	Thunderstorm	Gusty winds to 70 m. p. h. Damage widespread. Windows, signs, and small buildings damaged \$8,000; 10 planes stored at airport damaged, \$12,000. Numerous trees blown down and communications and power disrupted.
Joliet, Mont., near	16	4 p. m.	440	-----	-----	Hail	Hailstones 1/4 to 1/2 inch in diameter caused considerable damage to apples over area 1 1/2 miles long.
Hardin, Mont., near	16	Afternoon	1	-----	-----	do.	50 percent damage to crops over path 3 to 5 miles long.
Arkansas, entire State	16	5 p. m.	13-4	-----	100,000	do.	Heavy hail, over 1 inch in diameter, caused severe damage to small grains, hay, and sugarbeets; also broke some windowpanes.
Western Cuming County, Nebr.	16	Afternoon to early evening.	-----	-----	25,000	Thunderstorm	A line of thunderstorms crossed State. Damage mostly to small out-buildings, trees, and power lines. 1 house set afire by lightning near Morrilton.
Billings, Mont., near	16	5:45 p. m.	13-5	-----	1,300,000	Hail, rain, and wind	Rain excessive.
Ryegate, Mont., near	16	6-8 p. m.	1	-----	-----	Hail	Path over 30 miles long. Moderate to heavy hail caused heavy damage to beans and wheat.
Elba, Nebr., and vicinity	16	8-10 p. m.	25	-----	13,000	Hail and rain	3 inches of rain caused local flash flood. Considerable damage to roads and bridges and some damage to grain fields by flooding. Damage includes \$10,000 loss of crops.
Melville, Mont., near	16	8:30 p. m.	13-6	-----	400,000	Hail	Heavy hail and rain damaged grain crops considerably; \$200 loss to property.
Morrill County, Nebr., central portion.	16	8:35 p. m.	13	-----	3,000	Hail and rain	
Lyman to Gering, Nebr.	16	10 p. m.	13	-----	300,000	Hail	
Sheridan County, Nebr., central portion.	16	10 p. m.	11-8	-----	390,000	Hail and rain	Some hailstones as large as baseballs. Some land badly washed.
Red Bird, Wyo.	16	11 p. m.	11-3	-----	72,000	Hail	
Sheridan, Johnson, and Campbell Counties, Wyo.	16	11:30-11:50 p. m.	14	-----	1,600	do.	\$1,200 of the damage to crops.
Pettis County, Mo.	16	Near mid-	-----	-----	-----	do.	Serious damage to crops; property damage in city of Sheridan.
Converse and Niobrara Counties, Wyo.	17	night.	-----	-----	4,000	do.	In scattered areas. Some glass in greenhouses broken. Crop damage slight.
Reno County, Kans.	17	10:30 a. m.	14	0	100,000	Tornado and hail	Serious damage to crops. Many farm and ranch buildings damaged or destroyed.
Pemiscot County, Mo.	17	2-3 p. m.	10	1	100,000	Wind	Path extended through Hutchinson, where chief damage occurred. 4 persons injured. About half of damage to crops.
Bourbon and Crawford Counties, Kans.	17	4 p. m.	14-2	-----	40,000	do.	Many poles and utility wires down.
Meade County, Kans.	18	5-7 p. m.	-----	-----	-----	do.	Occurred over much of southern Bourbon and most of Crawford County
Strasburg, Colo.	18	5:30-7 p. m.	-----	-----	-----	do.	Jayhawk Plant near Pittsburg damaged to extent of \$30,000. Many small buildings wrecked. Power and telephone lines down. 1 injury.
Sedan, N. Mex.	18	Noon	18	0	40,000	Wind, tornado, and hail.	Path extended from 8 miles northwest of Meade through that city. Tornado seen high in air but did not reach ground. Hail damage \$20,000.
Tucumcari, N. Mex.	18	P. m.	14	-----	100,000	Hail	Between Bennett and Strasburg. Damage includes \$95,000 crop loss.
Ende, N. Mex.	18	5-6 p. m.	-----	-----	12,000	do.	Damage to crops and buildings.
Nara Visa, N. Mex.	18-19	7:15-7:35 p. m.	-----	-----	250,000	Hail and rain	Most severe local hailstorm in years. Heavy crop damage and extensive damage to roofs and windows.
Crawford County, Ohio	19	8-8:30 p. m.	-----	-----	7,200	Hail	Wheat total loss. 2 calves killed.
Carroll County, Ohio	19	Midnight	-----	-----	4,000	Rain and hail	Rainfall total 5.09 inches for 24 hours. Crops washed out. Some hail damage to buildings.
Jefferson County, Ohio	19	18th; 3-5 p. m. 19th.	-----	-----	75,000	Electrical	Amusement park near Bucyrus burned when struck by lightning.
	19	Noon	-----	-----	-----	Hail	Many windows broken; automobiles and roofs damaged.
	19	1:30 p. m.	-----	-----	-----	Wind	2 persons injured; trees and power lines blown down, roofs damaged, and windows broken.

See footnote at end of table.

## SEVERE LOCAL STORMS FOR JUNE 1948—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Summit County, Ohio.....	June 19					Hail	Heavy damage to crops and gardens.
Central Counties, Ohio.....	19	Afternoon				Wind and hail	Trees and utility poles and lines blown down. Hail damaged crops. Several roofs blown off and windows broken.
Baltimore, Md.....	19	3 p. m.				Thunderstorm, wind, and hail.	Damage caused chiefly by hail. School reported damage of broken windows and ripped awnings. 1 home and a warehouse struck by lightning and damaged. Hailstones measured 10½ inches in circumference.
Kent County, Md.....	19	3 p. m.	12-3		\$100,000	do.	Hail beat down crops of grain and tomatoes, causing complete loss in most places. Many windowpanes broken: 1 farm reported approximately 100 panes broken in house and outbuildings, with loss totaling \$5,000, including damaged roofs. 1 cow drowned and 2 killed by lightning. Hailstones so numerous that 19 hours later they could be shoveled out of gutters and ditches.
Montgomery, Ala.....	19	3:46 p. m.			5,000	Thundersquall	Tree blown across automobile, wrecking it. Several plate glass windows broken, and expensive signs damaged. Man injured by "live" wire.
Montgomery County, Md.....	19	P. m.			20,000	Wind and rain	Strong winds blew over trees, tore off roof of 1 building completely, and damaged at least 3 others. Electric and telephone lines down for several hours. Most of damage near Darnestown and Rockville.
Queen Annes County, Md.....	19	P. m.			500,000	Thunderstorm, hail, and wind.	Hail up to size of goose eggs caused loss to grain and hay, leaving it as if mashed by giant steam roller. Hundreds of windowpanes broken in homes and other buildings. Car tops dented badly and slate and asbestos roofs torn by large pellets. Some livestock and poultry killed.
Frederick County, Md.....	19	P. m.		1		Thunderstorm	Boy struck and killed by lightning near his home in Union Mills.
Anne Arundel County, Md.....	19	6 p. m.	12		50,000	Hail and wind	At least 6 barns blown down. Corn crop ruined and tobacco severely damaged.
Talbot County, Md.....	19	6:30 p. m.			60,000	Thunderstorm and hail.	Tilghman struck hardest, with broken windowpanes and damaged roofs. Wheat destroyed more than other crops; much straw cut off about 8 inches from ground.
Dorchester County, Md.....	19	6:45 p. m.	18			do.	Most of damage occurred in and around Cambridge, Castle Haven, Salem, and Maple Dam. Hail damaged crops, roofs, and window glass. About 2,000 windowpanes broken in Cambridge and Salem alone.
Penn Line, Pa., 25 miles northeast.	19	8 p. m.				Wind	Strong winds uprooted trees and blew silos over and roofs off. 1 injury.
Grant County, W. Va.....	19	10 p. m.		0		Tornado or strong wind.	Path of damage from between Bayard and Thomas eastward through Stony River region to Bismarck Community. Considerable damage to farm buildings; some livestock killed. Much timber blown down, obstructing highways. Storm dipped down mountainside and damaged buildings at Geiser place.
Washington County, Okla.....	20	3:45 p. m.	50	0	5,500	Tornado	Path 1,000 ft. long. Damage to buildings at Hulah Dam.
Montgomery County, Kans.....	20	4:10 p. m.	11		5,000	Hail	At Independence and many other parts of county. Automobiles, roofs, and truck damaged.
Ryegate, Mont, near	20	4:30 p. m.	13		1,000	do.	Light hail damaged wheat.
Ness County, Kans.....	20	5 p. m.				do.	2 hailstorms occurred at about same time, one 10 miles south of Ness City, the other near Brownell. Much damage to wheat.
Tillman and Comanche Counties, Okla.....	20	5:30-6 p. m.	13	0	22,000	Tornado	Path in northeasterly direction from 8 miles southwest of Chattanooga to near Lawton, about 20 miles. Some damage to aircraft at Fort Sill.
Cherokee, Crawford, and Bourbon Counties, Kans.....	20	6:05 p. m.	440	0	191,000	Tornado and wind	Tornado originated about 2 miles southwest of Jayhawk Works of Spencer Chemical Company, about 8 miles east and 4 miles south of Columbus, and ended near Carl Junction, Mo. Damage at chemical plant totaled \$50,000. High winds caused damage over much of Cherokee, Crawford, and southern Bourbon Counties.
Jasper County, Mo.....	20	6:25 p. m.	11		75,000	Wind	Several roofs blown off in Carl Junction and vicinity. Damage includes about \$5,000 crop loss.
Boone County, Mo.....	20	8 p. m.	130	0	5,000	Small tornado	3 homes damaged in Ashland; 1 man slightly injured. Crop damage slight.
Oklahoma County, Okla.....	20	8 p. m.			2,000	Wind	Damage to aircraft and hangars at Will Rogers Field.
Thomas County, Kans.....	20	Night	16		17,500	Hail	South of Colby. Damage to wheat.
Noble County, Okla.....	21	Midnight-1 a. m.		0	10,000	Tornado	Damage to a large barn, and to ripened, uncut grain near Perry.
Red Willow County, Nebr.....	21	11 a. m.-10 p. m.			2,400,000	Hail and rain	Numerous rather small storms; excessive rain.
Washita County, Okla.....	21	12 noon-1:30 p. m.	11		12,500	Wind and hail	Path 5 miles long northwest and north of Cordell. \$2,500 damage to unharvested wheat.
Dearborn and Ripley Counties, Ind.....	21	2 p. m.	13		50,000	do.	Hail up to 1½ inches in diameter. Half of damage was crop loss.
Old Hickory, Tenn., near Nashville.	21	2 p. m.		1		Electrical	1 man killed by lightning, 2 others injured.
Newberry County, S. C.....	21	Afternoon			500	do.	Smoke house destroyed by fire from lightning in Harmon Quarters Section.
Cozad, Nebr., near.....	21	3 p. m.	10-12	0	980,000	Rain, hail, and tornado.	Rain excessive.
Kiowa and Washita Counties, Okla.....	21	3-4 p. m.	12½		51,000	Wind, hail, and rain	Path about 50 miles long from Roosevelt to Hydro, in a northeasterly direction. \$36,000 damage to crops; damage by high wind 40 percent; hail, 50 percent; and heavy rain, 10 percent.
Tulsa County, Okla.....	21	3:45 p. m.	220	0	13,000	Tornado and hail	Most of damage to aircraft and hangars. Storm moved northeastward over path about 10 miles long. Funnel cloud observed by many.
Barber and Harper Counties, Kans.....	21	4:03-4:51 p. m.	650	0	50,000	Tornado	Originated 16 miles southwest of Medicine Lodge. Passed just south of Sharon and ended near Duquoin. Chief damage near Sharon. 1 person injured. Path not continuous.
Indianapolis, Ind.....	21	6 p. m.			10,000	Wind	Airplane wrecked. Some trees and wires down.
Darke County, Ohio.....	21		440		20,000	do.	Path of destruction about 1 mile long.
Sedgwick County, Kans.....	21	7:15-7:30 p. m.	880	0	1,000,000	Tornado	Originated 4 miles southwest of downtown Wichita; ended about 4 miles northeast of city. Apparently 2 distinct paths passed through Wichita. Chief damage in southwest part of city at Westport Field, where Aero Parts Plant was badly damaged and planes were wrecked. 12 persons injured.
Lawrence County, Mo.....	21	8:30 p. m.	880		10,000	Wind and hail	Mostly in Pierce City and vicinity. Many large shade trees destroyed; some homes damaged, several by falling trees; many utility wires down. Crop damage slight.
Harmon County, Okla.....	21	11:30 p. m.	10		10,000	Wind, rain, and electrical.	Path 15 miles long. 1 house burned after being struck by lightning near Vinson. Cotton and feed crops damaged.
Creek to Osage Counties, Okla.....	22	3-7 a. m.	15		2,000	Wind, hail, and rain	Damage to farm property southwest of Mannford. Damage includes \$1,000 loss to crops; 50 percent of damage due to high wind, 25 percent to hail.
Johnson and Otoe Counties, Nebr.....	22	3-4 p. m.	440	1	306,000	Tornado	Nearly all damage to buildings. Storm passed near Cook and Talmage and continued into Iowa.
Pierce County, Nebr.....	22	4 p. m.	50	0	65,000	do.	Path 13 miles long. Storm traveled northeastward.

See footnote at end of table.

## SEVERE LOCAL STORMS FOR JUNE 1948—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Fremont and Mills Counties, Iowa.	June 22	4-5 p. m.	100-200	0	\$450,000	Tornado	Started near Talmage, Nebr., crossed Missouri River to south of Nebraska City into Iowa; traveled northeastward, passed north of Sidney and east of Randolph in Fremont County; continued into Mills County to near Emerson. Total length of storm path, about 30 to 35 miles in Iowa. Storm traveled slowly through river bottom lands in Fremont County, with considerable damage first 3 miles; then hopped over bottomlands very slowly until it struck higher hill country where it moved more rapidly, with destruction generally more complete. Damage includes \$200,000 loss to crops. Damage mainly to farm homes and buildings. 1 person injured at Emerson. Path extended from southwest of Horton to near Leona. Chief damage to buildings and wire services in Horton. Many characteristics of a tornado, but no vortex cloud seen. 3 persons injured.
Brown County, Kans.	22	4:45-5 p. m.	440		250,000	Wind	Damage to hangars and other buildings and aircraft near Weatherford. Destruction in warehouse caused by fire from lightning.
Custer County, Okla.	22	5:30 p. m.			20,000	do	Wind tore down trees; power and telephone lines out of commission.
Wiansboro, S. C.	22	Afternoon			20,000	Electrical	Roof torn off house and carried 100 ft. Man killed by lightning.
Ingham and Eaton Counties, Mich.	22	7 p. m.		1	30,000	Thunderstorm	Occurred a few miles west of Hillsdale. Damage to rural property.
Miami County, Kans.	22	7:30 p. m.	75	0	10,000	Tornado	Storm in and near Purdin. About 50 trees uprooted; several porches torn off; few buildings moved on foundations.
Linn County, Mo.	22	8 p. m.	880		6,950	Wind	Telephone and power lines blown down; trees damaged; stock in store basements damaged by water. Storm damage width, about 1/4 mile near Ithaca.
Isabella and Gratiot Counties, Mich.	22	4-8:30 p. m.			10,000	Thunderstorm	Storm at Chillicothe Municipal Airport, 3 miles east of Chillicothe. Hangar and several planes damaged; number of trees uprooted.
Livingston County, Mo.	22	9:30 p. m.	70		14,000	Wind	Lake freighter, J. P. Morgan, Jr., rammed by freighter Crete in collision, causing gaping hole in side; 2 crew members killed and 3 injured. Crete not so seriously damaged. 2 other steamships collided. Damage to 4 ships estimated at \$500,000.
North of Apostle Islands, Lake Superior, Wis.	23	A. m.		2	500,000	Fog	1 person killed by lightning in each community; 2 mules destroyed by lightning at Kingstree.
Charleston and Kingstree, S. C.	23	Afternoon		2	250	Electrical	Minor damage, mostly to trees.
Lawrence County, Ohio	24	11:15 a. m.				Wind	"Live" wire fell on truck, and man killed as he touched door handle.
Parkersburg, W. Va.	24	12:14 p. m.		1		Thunderstorm and wind	Property damage slight.
Fort Benton, Mont. near	24	2-3 p. m.	13		200,000	Hail	Moderate hail caused considerable to severe damage to wheat and barley over 10-mile path.
St. Johnsbury, Vt.	24	2:30-5:00 p. m.			8,000	Thunderstorm, wind, rain, and hail	Worst storm since 1938 hurricane in St. Johnsbury vicinity. Trees felled and uprooted, damaging parked cars and residences; a portion of roof of Canadian Pacific roundhouse torn off and section of wall collapsed. Power and telephone cables torn down, crippling electric power and communication facilities. 2 1/2 inches of rain caused washouts on secondary roads, driveways, and lawns. Windows broken in industrial plants, and other minor damage caused by hail. A few stones, irregularly-shaped and nearly an inch in length.
Baltimore, Md.	24	5 p. m.				Thunderstorm and wind	Gale winds toppled trees, blew down power lines and chimneys, and tore off shutters, shingles, and parts of roofs. Marquee of motion picture theater blown off, damaging parked car. At least 6 other parked automobiles damaged when trees or other debris were blown on them. In northern section of city alone, more than 100 trees cleared from roads and streets. Lightning struck and disabled 2 streetcars and struck a home. Gas and Electric Company reported more damage than in 6 years.
Carroll and Howard County, Md.	24	P. m.			15,000	Thunderstorm and hail	Damage in vicinities of Sykesville, Fulton, Clarksville, and Ellicott City. Greatest loss to wheat and barley.
Montgomery County, Md.	24	P. m.			2,000	do	Grain hurt most. Hail stripped trees and grains.
Sandcoulee, Mont.	24	7 p. m.				Hail	Heavy hail caused little damage to roofs. Hail, size of pigeon eggs.
Bellwood to Rogers, Nebr.	24	7 p. m.	13		56,000	do	Considerable damage to property, trees, and electric service.
Marcus Hook, Pa.	24	7:45 p. m.				Thunderstorm	6 cows and 1 horse killed by lightning. Much property damage by wind; utilities disrupted.
Hawley, Pa., 10 miles north	24					do	Strong winds damaged trees and utility lines and unroofed a few buildings.
Gettysburg, Pa.	24					do	Trees and utility lines damaged.
Juniata, Pa.	24					do	Winds destroyed trees and damaged utility line poles.
McConnellstown, Pa.	24					do	Man killed by lightning.
Port Allegany, Pa., vicinity of	24			1		Electrical	Heavy rain caused several landslides, burying Franconia Notch highway under 20 feet of earth and rocks; largest slide covered 350 feet of highway. Traffic discontinued for several days.
Franconia Notch, N. H.	24					Thunderstorm and rain	Damage to crops, \$50,000; to 5 airplanes at Riverton airport, \$4,000.
Riverton, Wyo.	24	Ended 11 p. m.	14		54,000	Hail	Farmer killed by lightning, west of Fort Supply.
Oakdale, Nebr., near	24	8:30 a. m.		1	24,000	do	1 person killed on golf course; 3 others stunned.
Ellis County, Okla., northern part	25					Electrical	Buildings damaged, \$15,000; crop loss, 60 to 90 percent in storm path.
Hot Springs, Va.	25	3:15 p. m.		1		Lightning	Heavy hail, accompanying severe thunderstorms, caused much damage to growing crops and considerable damage to property and automobiles. Some fields of corn, beans, peas, and small grains a total loss. Trees stripped of leaves. Much poultry and game birds perished and livestock were injured.
Holyoke, Colo.	25	P. m.			100,000	Hail	Barns, outbuildings, silos, and windmills demolished or damaged; buildings and houses unroofed or otherwise damaged; many trees uprooted; power and communication lines disrupted. 2 auto trucks blown off road. Growing crops lodged.
Minnesota, extreme southern counties.	25	P. m.	13		800,000	do	Large feeding shed, pumphouse, and small outbuilding carried some distance.
Dodge, Olmsted, Fillmore, Winona, and Houston Counties, Minn.	25	4:30 p. m.	15		75,000	Thundersquall	Storm moved eastward in path 5 miles long. Tobacco damaged up to 100 percent; considerable damage to corn, grain, and gardens. Damage includes \$50,000 crop loss. Windows broken and roofs and car tops damaged. Hailstones averaged 1 inch; largest were 2 inches in diameter.
Tyro Township, Yellow Medicine County, Minn.	25	5:00 p. m.		0	1,000	Thundersquall (possibly small tornado)	Southern part of county. Damage to wheat.
Gays Mills, Wis., 5 mi. northwest.	25	6-6:40 p. m.	13		60,000	Hail	Light to heavy hail considerably damaged wheat over 8-mile path.
Thomas County, Kans.	25-26	Night	12		50,000	do	Wind wrecked barn and downed trees, branches, utility poles, and wires. Lightning damaged power lines and 2 buildings. Water flooded streets and basements in Appleton.
Arrow Creek and Coffee Creek areas, Mont.	26	12-12:30 p. m.	12 1/2			do	Damage mostly to crops. Hailstones up to 1 inch in diameter.
Southern Outagamie and northeastern Winnebago Counties, Wis.	26	1:10-2:30 p. m.			20,000	Electrical, wind, and rain	Wind of tornadic character or "Baby Twister" occurred in west Nashville; damaged 2 homes and power and telephone lines.
Salem, Benjamin, and Leland, Utah.	26	3-4 p. m.	13-5		250,000	Hail	
Nashville, Tenn.	26	3:30 p. m.	100	0		Tornadic winds	
Miami, Fla.	26	3:30-3:39 p. m.		0		Waterspout	

See footnote at end of table.

## SEVERE LOCAL STORMS FOR JUNE 1948—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Columbus, Mont., near	June 26	5:30-5:45 p. m.	880		\$1,000	Hail	Moderate hail considerably damaged winter wheat locally.
Fort Benton, Mont., near	26		1 1/2-1			do.	Moderate to severe damage to wheat and barley in 20-mile path.
Genoa, Nebr., near	26				5,500	Electrical	2 barns and contents destroyed by resultant fires.
Letter Kenny, Pa.	26					Thunderstorm	Wind and hail caused damage to crops.
Little Dolores, Colo.	27	11:25 a. m.-Noon	1 3/2		1,000	Hail and rain	Hail damaged gardens and orchards, and heavy rain washed out roads in several places.
Putnam County, Mo.	27	12 noon	100		2,000	Wind	Storm at Hartford where 1 large barn was destroyed.
Red Boiling Springs, Tenn.	27	2 p. m.				Thunderstorm	1 home damaged by lightning; high winds uprooted some trees.
Greenville, S. C., near	27	Afternoon			3,000	do.	High winds damaged property and crops in Berea Community.
Hazleton, Pa., vicinity	27	Afternoon		0	100,000	Tornado	Wind destroyed many roofs, billboards, tree limbs, and buildings.
Mahanoy City, Pa.	27	Afternoon				Electrical	Lightning struck and destroyed dress factory.
Philadelphia, Pa.	27	Afternoon				Electrical and wind	Lightning seriously injured workman; also struck sub-station of Philadelphia Electric Co., disrupting service. Winds damaged trees and billboards.
Pine Grove, Pa.	27	Afternoon				Thunderstorm	Crops and trees damaged.
Anne Arundel County, Md.	27					Thunderstorm and wind	Trees uprooted; electric and telephone services disrupted; farm buildings razed; and 2 roofs lifted from tobacco barns.
Tillman County, Okla.	27	7:15 p. m.			2,500	Wind	Several buildings unroofed and windows broken near Frederick.
Richmond, Va.	27	7:30-8:15 p. m.				Electrical	Considerable minor damage to power lines in west end; local flooding in streets.
Woods and Alfalfa Counties, Okla.	27	9:30 p. m.			20,000	Wind, rain, and electrical	Storm covered most of Woods County and parts of Alfalfa County. \$10,000 damage to uncut wheat.
Montgomery and Wilson Counties, Kans.	27	11:25 p. m.	880	0	11,000	Wind and tornado	Tornado path began 1/2 mile southwest of Elk City and damaged property across western and northern parts of town, with path 1 1/2 miles long. High winds covered much of southern Wilson and northern Montgomery Counties.
Phelps County, Mo.	27-28	Night			25,000	Electrical	U. S. Bureau of Mines Building at Rolla struck by lightning. Top floors gutted by fire.
Choctaw County, Okla.	28	10 a. m.	880		3,500	Wind and hail	95 percent of damage by high winds, 5 percent by hail. \$1,000 damage to corn crop. Storm from Golden Bluff on Red River to about 7 miles south of Fort Towson.
North Syracuse, N. Y.	28	1 p. m.				do.	High wind felled trees and broke power lines and tree branches. Hail broke many windows.
Champaign-Vermilion Counties, Ill.	28	2:20 p. m.	100	0	10,000	Tornado	Path about 7 miles long, from Ogden to Fithian. 6 farms suffered property damage; little crop loss.
Putnam County, Ohio	28	6 p. m.				Wind and electrical	1 man injured by lightning. 1 barn unroofed; minor damage to other farm property.
Allen County, Ohio	28	6:30 p. m.	880			Wind	Wheat and oats flattened, buildings unroofed, and trees uprooted.
Ingham and Shiawassee Counties, Mich.	28	7-8 p. m.			40,000	Thunderstorm	Trees uprooted; some telephone cable snapped; a number of billboards blown down; some truck gardens damaged by hail. Several hogs killed when barn was blown down.
Kalamazoo and Calhoun Counties, Mich.	28	Early evening			100,000	do.	Houses damaged; numerous barns leveled; telephone and power poles felled; trees blown down.
Jackson and Pike Counties, Ohio	29	Noon	13		18,000	Wind	Hundreds of trees uprooted; barns and other buildings damaged. Damage includes \$12,000 loss to crops.
Clinton County, Ohio	29	Noon	18			do.	Damage mostly to telephone and power lines.
Pierce County, Wis., southern portion	29	2:15-2:45 p. m.	1,320		10,000	Hail	Storm moved eastward. Hailstones 1/2 to 1 inch in diameter. Grain damaged.
Iowa, scattered sections	29	4-5:30 p. m.				do.	Extensive damage at a few points. In Worth County, near Joice, crops on 15 or more farms badly damaged. Hail and wind caused up to \$125,000 damage in 3 X 18 mile area southwest of Ogden in Boone County.
Hagerstown, Md.	29	P. m.				Thunderstorm	Corn and wheat beaten down by rain and wind. Lightning struck Hagerstown FM radio station transmitter, disabling it 4 hours.
Uniontown, Pa.	29	5:20 p. m.				do.	Wind broke trees and utility lines; damaged roofs; and broke windows.
Derry, Pa.	29					do.	Wind blew down trees and broke windows.
Conrad, Mont., near	30	2-2:15 p. m.	17			Hail	Path 25 miles long. Heavy hail severely damaged wheat and barley—approximately 24,000 acres—with about 30 to 40 percent damage to spring wheat and 60 to 100 percent damage to winter wheat. Spring wheat may make comeback.
Boise, Idaho	30	3 p. m.				Wind and rain	Some damage to trees; temporary disruption of power lines. 1 dwelling damaged by falling trees.
Orlando, Fla.	30	4:55 p. m.		0	0	Tornado	Funnel cloud observed about 10 miles northwest of Orlando; dipped to between 500 and 1,000 feet off ground; moved northward and apparently dissipated in about 10 minutes.
Forsyth, Mont., near	30	6-6:20 p. m.	112		5,000	Hail	Moderate to heavy hail severely damaged small grains over 12 mile path.
Great Falls, Mont.	30	6 p. m.			2,000	do.	Light hail damaged gardens and wheat in small rural areas.
Winifred, Mont.	30	6-6:30 p. m.	11		7,000	do.	Heavy hail considerably damaged wheat and barley.
Fort Benton, Mont., near	30	Evening				do.	Moderate hail considerably damaged winter wheat.
Brady and Valier, Mont.	30					do.	Loss to wheat.

<sup>1</sup> Miles instead of yards.

## LATE STORM REPORTS FOR MAY 1948

[The table hereunder contains such data as were received concerning severe local storms that occurred during the month. A revised list will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Plainview, La.	May 4	Early a. m.	200	0	\$15,000	Tornado	Destroyed schoolhouse, unroofed several homes. No injuries.
Winnfield, La.	5	11 p. m.				Wind and hail	Wind estimated at 50 m. p. h. accompanied hailstorm. Shrubbery and vegetables damaged.
St. Joseph, La., near	6	1 a. m.			10,000	Wind	Damaged roofs of homes and destroyed several cabins; destroyed hangar and private plane.
Angola, La.	6	Early a. m.	11		10,000	Wind and hail	Path 5 miles long. Damaged farm buildings, prison guard posts, and garages; only slight damage from hail.
Clay County, Iowa	15	10 p. m.	440	0	1,500	Small tornado	1 person injured by flying debris at Gillett Grove. Few buildings demolished and several parked automobiles damaged.

<sup>1</sup> Miles instead of yards.